

Patent Claims

- 5 1. Method for the air-conditioning of aircraft cabins, wherein, by means of at least one blower, at least one air jet (26) is directed into the cabin (10), characterised in that the direction and/or the impulse of the air jet is altered dependent upon a measured temperature.
- 10 2. Method in accordance with claim 1, characterised in that the temperature of the air jet (26) is measured.
3. Method in accordance with either of the claims 1 or 2, characterised in that the air jet (26) is directed into the cabin (10) from the ceiling
15 area (14).
4. Method in accordance with any of the claims 1 to 3, characterised in that, as the temperature of the air jet (26) rises, its angle (α) with the vertical (V) is made smaller.
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5. Method in accordance with any of the claims 1 to 4, characterised in that, as the temperature of the air jet (26) rises, its impulse is increased.
- 25 6. Device for air-conditioning aircraft cabins (10) with means (20, 22) for producing and directing at least one air jet (26) and means (28) for detecting a temperature, characterised by means (20) to alter the direction and/or the impulse of the air jet (26) dependent upon the temperature measured.
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7. Device in accordance with claim 6, characterised in that the means (20) for altering the direction and/or the impulse of the air jet (26) have a component (28) with a temperature- dependent form.
- 35 8. Device in accordance with claim 7, characterised in that the component (28) includes a shape memory alloy.

9. Device in accordance with claim 7,
characterised in that the component (28) has a bi-metallic element.
10. Device in accordance with any of the claims 6 to 9,
characterised in that the means (28) for measuring the temperature are positioned in
such a way that they measure the temperature of the air jet (26).